

ADAPTIVE POWER CONTROL FOR VEHICLE ENGINE

ABSTRACT OF THE DISCLOSURE

An engine management system monitors driving habits of a vehicle operator over time to generate a driver profile. The driver profile is used to adjust available engine power to more closely match the driver's habits. A predetermined nominal engine power versus vehicle speed range is established for an engine. A system controller monitors and compares the driver power requests to the nominal engine power versus vehicle speed range over time to determine the driver profile. The system controller also monitors current vehicle speed to determine whether the vehicle is operating at a low or high vehicle speed. The controller determines low and high speed engine power correction factors based on this driver profile. The appropriate correction factor is applied to modify the available engine power resulting in an engine power output that more closely matches an operator's driving tendencies.

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